

Part IV

Traffic Control for Highway

Construction and Maintenance

A

Operation

Sec. 14-298-800 Responsibility

The provisions for public protection established herein are for application by:

- (1) The Department of Transportation, and municipal forces performing construction or maintenance operations on roads or streets.
- (2) Contractors employed in road or street construction or maintenance under contract to any governmental authority and
- (3) All others, including employees of public utility companies, performing any work on highways or so closely adjacent as to create hazards for the public or for themselves.

Sec. 14-298-801 General Requirements

- (a) All traffic control devices used on road or street construction or maintenance work shall conform to the applicable specifications of these regulations.
- (b) Traffic control devices shall be installed at the inception of construction or maintenance operations and shall be properly maintained and/or operated during the time such special conditions exist. They shall remain in place only as long as they are needed and shall be removed immediately thereafter. Where operations are performed in stages, there shall be in place only these devices that apply to the conditions present.
- (c) Signs that do not apply in existing conditions shall be removed, covered, or turned so as not to be readable by oncoming traffic.
- (d) All dimensions in this part are expressed in English units. Any Connecticut Department of Transportation standards, manuals and guidelines that have been developed in metric dimensions are considered equivalent.

B**Signs****General****Sec. 14-298-802 Design**

- (a) Special construction and maintenance signs follow the basic standards for all highway signs as to shape. Warning signs in construction areas shall have a black legend on an orange background. Existing yellow warning signs already in place within these areas may remain in use. Color for other signs shall follow the standard for all highway signs.
- (b) The use of standard orange flags or yellow flashing warning lights in conjunction with signs is permitted so long as they do not interfere with a clear view of the sign face.

Sec. 14-298-803 Illumination and Reflectorization

All signs shall be reflectorized or illuminated. Street or highway lighting is not regarded as meeting the requirements for sign illumination.

Sec. 14-298-804 Position of Signs

- (a) Signs shall be placed in positions where they will convey their messages most effectively and placement must therefore be accommodated to highway design and alignment. Signs shall be so placed that the driver will have adequate time for response.
- (b) As a general rule, signs shall be located on the right-hand side of the street or roadway. Where special emphasis is deemed necessary, dual installations may be made which consist of duplicate signs opposite each other on the left and right sides of the roadway.
- (c) For signs mounted on portable supports or barricades, the bottom of the sign shall not be less than one foot above the pavement.
- (d) Where open highway conditions prevail on the approach to the work site, advance warning signs should be placed approximately 1,500 feet in advance of the condition to which they are calling attention. When a series of advance warning signs are used, the warning sign nearest the work site should be placed approximately 500 feet from the point of restriction with the additional signs at 500 - 1,000 foot intervals.

On expressway and limited access facilities, the advance warning distance should be increased to one-half mile or more.

Regulatory Signs

Sec. 14-298-805 Authority

The use of regulatory construction and/or maintenance signs shall be authorized by the public body or official having jurisdiction.

Sec. 14-298-806 Design

All regulatory signs shall conform to the standards prescribed in Part I of these regulations.

Warning Signs

Sec. 14-298-807 Design and Application

- (a) Warning signs for construction and maintenance shall be diamond shaped (square with one diagonal vertical), having a black symbol or message on an orange background except as provided for herein. Special warning signs related to the work being done may be rectangular in shape and have a black message on an orange background.
- (b) The square advisory speed plate shall have a black message and border, and shall have an orange background when used in conjunction with an orange background sign and shall have a yellow background when used with a yellow background sign. It shall have a minimum 24" x 24" size.
- (c) Where any part of the roadway is obstructed or closed, construction approach warning signs are required to alert traffic well in advance of these obstructions or restrictions to normal traffic flow. Because of their importance, these signs shall have a standard size of 48 inches by 48 inches when used on expressways and limited access facilities and shall be the standard diamond shape for warning signs, except as provided for above.
- (d) Where speeds and volumes are relatively low, a minimum size of 36 inches by 36 inches may be used for Construction Approach Warning Signs, provided that a minimum letter size of 5 inches can be accommodated on this size with the appropriate legend. On secondary roads or city streets where speeds are low, the use of signs 6 inches smaller on a side than the standard size, but not less than 24 inches, may be used for warning signs having short work messages or clear symbols.

Guide Signs

Sec. 14-298-808 Function and Design of Information and Guide Signs

The following informational signs are required at construction and maintenance sites:

- (1) Standard directional signs and route markings, to the extent that temporary route changes are necessary.
- (2) Special information signs relating to the work being done. These signs shall have a black message on an orange background.

C

Barricades and Channelizing Devices

Sec. 14-298-809 Barricade Design

- (a) Markings for barricade rails shall be alternate orange and white stripes, sloping downward at an angle of 45 degrees in the direction traffic is to pass.
- (b) The entire area of white and orange stripes shall be reflectorized.

Sec. 14-298-810 Cone Design

- (a) Cones shall be a minimum of 18 inches in height with a broadened base.
- (b) Orange shall be the predominant color on cones.
- (c) For nighttime use they shall be reflectorized or equipped with lighting devices for maximum visibility.

Sec. 14-298-811 Drum Design

- (a) Drums used for traffic warning or channelization shall be a minimum of 36 inches in height and a minimum of 18 inches in width regardless of orientation.
- (b) The markings on drums shall be horizontal, circumferential, orange and white reflectorized stripes four to eight inches wide, using a material that has a smooth, sealed outer surface which will display the same approximate size, shape and color day and night.
- (c) There shall be at least two orange and two white stripes on each drum. If there are non-reflectorized spaces between the horizontal orange and white stripes, they shall be no more than three inches wide.

Sec. 14-298-812 – 14-298-899

Reserved